

Serial Number: 09/729,920B

ENTERED

TECH CENTER 1600/2900

MAY 13 2003

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#12

☐ Changed a file from non-ASCII to ASCII☐ Changed the margins in cases where the sequence text was wrapped down to the next line☐ Edited a format error in the Current Application Data section, specifically:☐ Edited the Current Application Data section with the actual current number. The number input by the applicant was ☐ the prior application data; or ☐ other☐ Added the mandatory heading and subheadings for "Current Application Data".☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.☐ Inserted colons after headings/subheadings. Headings edited included:☐ Deleted extra, invalid, headings used by an applicant, specifically:☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as☐ Inserted mandatory headings, specifically:☐ Corrected an obvious error in the response, specifically:☐ Edited identifiers where upper case is used but lower case is required, or vice versa.☐ Corrected an error in the Number of Sequences field, specifically:☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected:☐ Other:



1600

## RAW SEQUENCE LISTING

DATE: 05/13/2003

PATENT APPLICATION: US/09/729,920B

TIME: 11:41:40

Input Set : A:\PTO.AMC.TXT

Output Set: N:\CRF4\05132003\I729920B.raw

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4 <120> TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,  
5 NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,  
6 AND USES THEREOF  
8 <130> FILE REFERENCE: CL000858  
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Output Set: N:\CRF4\05132003\I729920B.raw

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72 50 55 60
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77 Ala Leu Glu Gln Pro Phe Glu Ser Ser Gln Lys Asn Thr Ile Ala Leu
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79 Glu Lys Ala Glu Phe Leu Arg Asp His Val Cys Val Ser Pro Gln Glu
80 115 120 125
81 Leu Glu Thr Leu Ile Gln His Ala Leu Asp Ala Asp Asn Ala Gly Val
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83 Ser Pro Ile Gly Asn Ser Ser Asn Asn Ser Ser His Trp Asp Leu Gly
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85 Ser Ala Phe Phe Phe Ala Gly Thr Val Ile Thr Thr Ile Gly Tyr Gly
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87 Asn Ile Ala Pro Ser Thr Glu Gly Gly Lys Ile Phe Cys Ile Leu Tyr
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95 Thr Ile Leu Phe Ile Leu Ala Gly Cys Ile Val Phe Val Thr Ile Pro
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108 340 345 350
109 Thr Ala Glu Phe Arg Glu Thr Arg Arg Arg Leu Ser Val Glu Ile His
110 355 360 365
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112 370 375 380
113 Leu Gly Leu Asp Gln Arg Ala His Ser Leu Asp Met Leu Ser Pro Glu
114 385 390 395 400
115 Lys Arg Ser Val Phe Ala Ala Leu Asp Thr Gly Arg Phe Lys Ala Ser
116 405 410 415
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118 420 425 430
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121 Ile Asn Lys Phe Gly Ser Thr Ser Arg Leu Thr Lys Arg Lys Asn Lys
122 450 455 460
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124 465 470 475 480
125 Phe Arg Asn Tyr Ser Leu Asp Glu Glu Lys Lys Glu Glu Glu Thr Glu
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128 500 505 510
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DATE: 05/13/2003

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## RAW SEQUENCE LISTING

DATE: 05/08/2003

PATENT APPLICATION: US/09/729,920B

TIME: 14:19:09

Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\05082003\I729920B.raw

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 4 <120> TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,  
 5 NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,  
 6 AND USES THEREOF  
 8 <130> FILE REFERENCE: CL000858  
 10 <140> CURRENT APPLICATION NUMBER: 09/729,920B  
 11 <141> CURRENT FILING DATE: 2000-12-06  
 13 <160> NUMBER OF SEQ ID NOS: 5  
 15 <170> SOFTWARE: FastSEQ for Windows Version 4.0

## ERRORED SEQUENCES

2605 <210> SEQ ID NO: 5  
 2606 <211> LENGTH: 538  
 2607 <212> TYPE: PRT  
 2608 <213> ORGANISM: Rattus norvegicus  
 2610 <400> SEQUENCE: 5  
 2611 Met Lys Phe Pro Ile Glu Thr Pro Arg Lys Gln Val Asn Trp Asp Pro  
 2612 1 5 10 15  
 2613 Lys Val Ala Val Pro Ala Ala Ala Pro Pro Val Cys Gln Pro Lys Ser  
 2614 20 25 30  
 2615 Ala Thr Asn Gly His His Pro Val Pro Arg Leu Ser Ile Ser Ser Arg  
 2616 35 40 45  
 2617 Ala Thr Val Val Ala Arg Met Glu Gly Ala Ser Gln Gly Gly Leu Gln  
 2618 50 55 60  
 2619 Thr Val Met Lys Trp Lys Thr Val Val Ala Ile Phe Val Val Val Val  
 2620 65 70 75 80  
 2621 Val Tyr Leu Val Thr Gly Gly Leu Val Phe Arg Ala Leu Glu Gln Pro  
 2622 85 90 95  
 2623 Phe Glu Ser Ser Gln Lys Asn Thr Ile Ala Leu Glu Lys Ala Glu Phe  
 2624 100 105 110  
 2625 Leu Arg Asp His Ile Cys Val Ser Pro Gln Glu Leu Glu Thr Leu Ile  
 2626 115 120 125  
 2627 Gln His Ala Leu Asp Ala Asp Asn Ala Gly Val Ser Pro Val Gly Asn  
 2628 130 135 140  
 2629 Ser Ser Asn Ser Ser Ser His Trp Asp Leu Gly Ser Ala Phe Phe Phe  
 2630 145 150 155 160  
 2631 Ala Gly Thr Val Ile Thr Thr Ile Gly Tyr Gly Asn Ile Ala Pro Ser  
 2632 165 170 175  
 2633 Thr Glu Gly Gly Lys Ile Phe Cys Ile Leu Tyr Ala Ile Phe Gly Ile  
 2634 180 185 190  
 2635 Pro Leu Phe Gly Phe Leu Leu Ala Gly Ile Gly Asp Gln Leu Gly Thr

*P.2*  
 Does Not Comply  
 Corrected Diskette Needed



## RAW SEQUENCE LISTING

DATE: 05/08/2003

PATENT APPLICATION: US/09/729,920B

TIME: 14:19:09

Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\05082003\I729920B.raw

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2636          195          200          205
2637 Ile Phe Gly Lys Ser Ile Ala Arg Val Glu Lys Val Phe Arg Lys Lys
2638          210          215          220
2639 Gln Val Ser Gln Thr Lys Ile Arg Val Ile Ser Thr Ile Leu Phe Ile
2640 225          230          235          240
2641 Leu Ala Gly Cys Ile Val Phe Val Thr Ile Pro Ala Val Ile Phe Lys
2642          245          250          255
2643 Tyr Ile Glu Gly Trp Thr Ala Leu Glu Ser Ile Tyr Phe Val Val Val
2644          260          265          270
2645 Thr Leu Thr Thr Val Gly Phe Gly Asp Phe Val Ala Gly Gly Asn Ala
2646          275          280          285
2647 Gly Ile Asn Tyr Arg Glu Trp Tyr Lys Pro Leu Val Trp Phe Trp Ile
2648          290          295          300
2649 Leu Val Gly Leu Ala Tyr Phe Ala Ala Val Leu Ser Met Ile Gly Asp
2650 305          310          315          320
2651 Trp Leu Arg Val Leu Ser Lys Lys Thr Lys Glu Glu Val Gly Glu Ile
2652          325          330          335
2653 Lys Ala His Ala Ala Glu Trp Lys Ala Asn Val Thr Ala Glu Phe Arg
2654          340          345          350
2655 Glu Thr Arg Arg Arg Leu Ser Val Glu Ile His Asp Lys Leu Gln Arg
2656          355          360          365
2657 Ala Ala Thr Ile Arg Ser Met Glu Arg Arg Arg Leu Gly Leu Asp Gln
2658          370          375          380
2659 Arg Ala His Ser Leu Asp Met Leu Ser Pro Glu Lys Arg Ser Val Phe
2660 385          390          395          400
2661 Ala Ala Leu Asp Thr Gly Arg Phe Lys Ala Ser Ser Gln Glu Ser Ile
2662          405          410          415
2663 Asn Asn Arg Pro Asn Asn Leu Arg Leu Lys Gly Pro Glu Gln Leu Asn
2664          420          425          430
2665 Lys His Gly Gln Gly Ala Ser Glu Asp Asn Ile Ile Asn Lys Phe Gly
2666          435          440          445
2667 Ser Thr Ser Lys Leu Thr Lys Arg Lys Asn Lys Asp Leu Lys Lys Thr
2668          450          455          460
2669 Leu Pro Glu Asp Val Gln Lys Ile Tyr Lys Thr Phe Arg Asn Tyr Ser
2670 465          470          475          480
2671 Leu Asp Glu Glu Lys Lys Glu Asp Glu Thr Glu Lys Met Cys Asn Ser
2672          485          490          495
2673 Asp Asn Ser Ser Thr Ala Met Leu Thr Glu Cys Ile Gln Gln Ala
2674          500          505          510
2675 Glu Met Glu Asn Gly Met Val Pro Met Asp Thr Lys Asp Gln Gly Leu
2676          515          520          525
2677 Glu Asn Asn Ser Leu Leu Glu Asp Arg Asn
2678          530          535
E--> 2680 1

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VERIFICATION SUMMARY

DATE: 05/08/2003

PATENT APPLICATION: US/09/729,920B

TIME: 14:19:10

Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\05082003\I729920B.raw

L:2680 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5